

Figure 1

Initial State

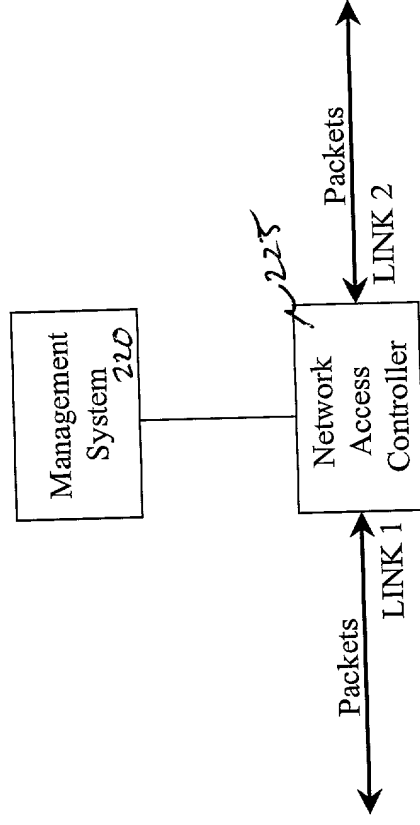


FIG. 2

In its initial state the NAC forwards packets without delay or action.
No statistics are collected.
A connection is established with the management system.

Configuration of Flows

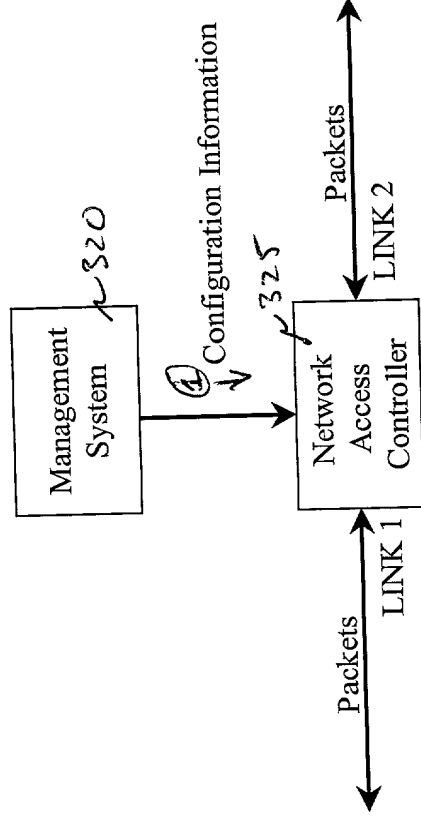


FIG. 3

The Management system configures the NAC to monitor packets. The parameters are any combination of:

- Link Number
- Source IP address
- Destination IP address
- Protocol
- Source UDP/TCP Port Number
- Destination UDP/TCP Port Number
- Notification Action

IP address may be partial addresses

The notification action is performed on packets that match the specified criteria

Packet Match: Alert Action

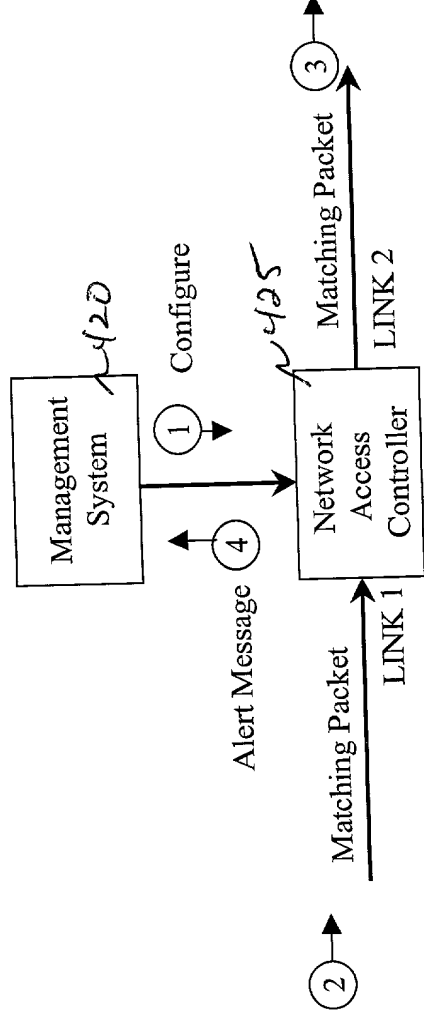


Fig. 4

- ① The configuration contains the parameters to monitor with alert action
- ② A matching packet arrives at the NAC
- ③ The matching packet is forward to the destination
- ④ The management system is notified of the match.

Packet Match: Intercept

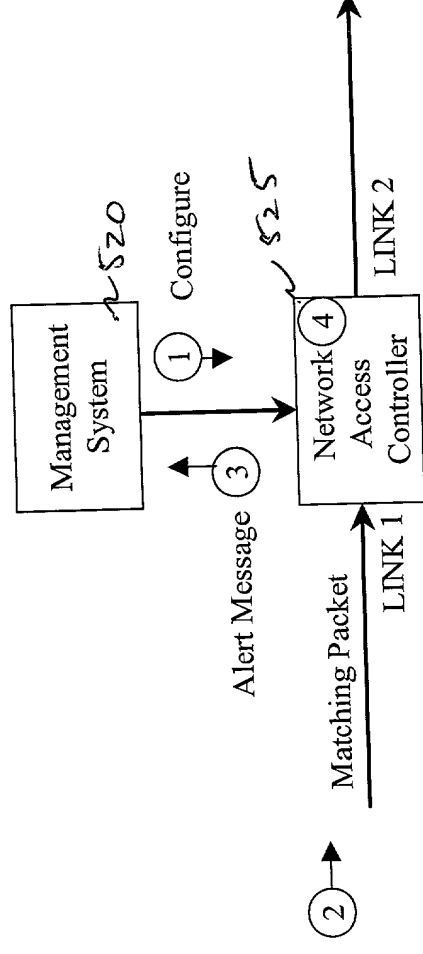


FIG. 5

- ① The configuration contains the parameters to monitor with intercept action
- ② A matching packet arrives at the NAC
- ③ The management system is notified of the match
- ④ The matching Packet is stored

Packet Match: Alert/Discard

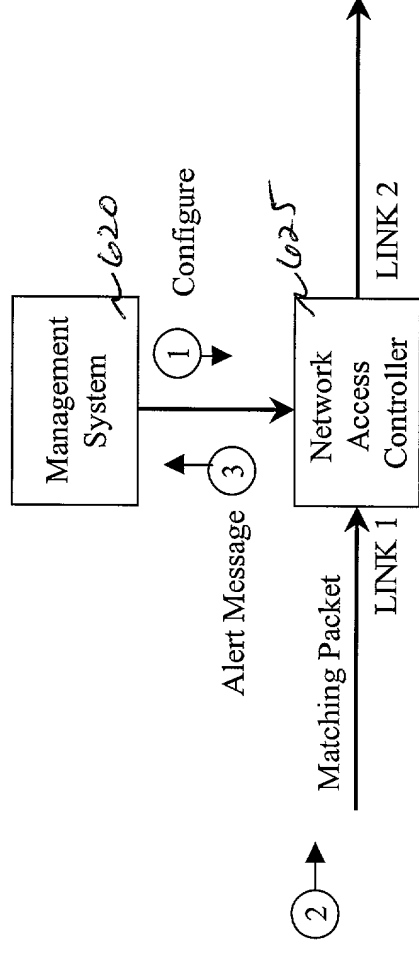


Fig. 6

- ① The configuration contains the parameters to monitor with alert/discard action
- ② A matching packet arrives at the NAC
- ③ The management system is notified of the match and the packet is discarded

Packet Match: RSVP

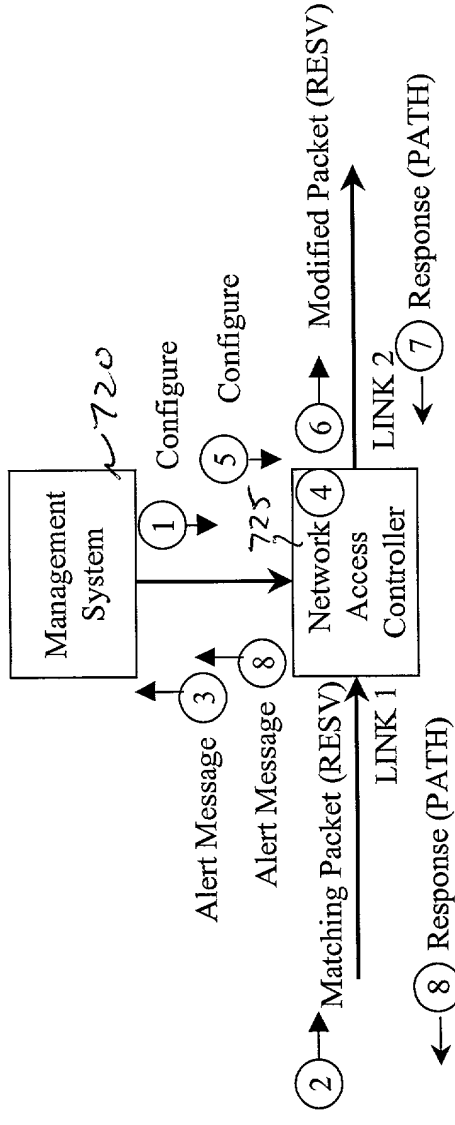


Fig. 7

- ① The configuration contains the parameters to monitor with RSVP action
- ② A matching packet arrives at the NAC
- ③ The management system is notified of the match and the RSVP parameters are included
- ④ The matching Packet is stored
- ⑤ The Management system may modify the resource request. It supplies the RSVP parameters
- ⑥ The modified packet is sent to the destination. The NAC monitors packets from LINK 2 for the response to the RSVP
- ⑦ The response to the RSVP is received
- ⑧ The management system is notified of the match and the PATH parameters are included

Collect Statistics

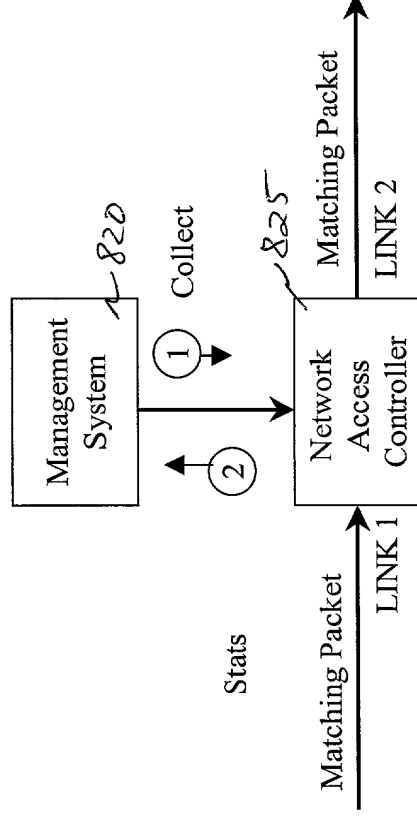


Fig. 8

- ① The management system issues a collect message to receive stored flow statistics
- ② Stored statistics are sent to the management system

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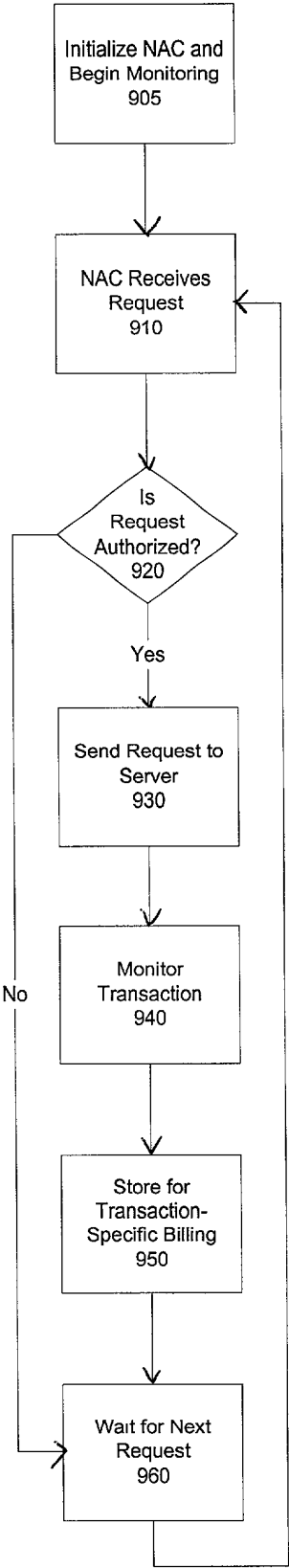


Figure 9